Sea Viking 2004

Enemy Order of Battle Brief

Unclassified

Draft

Current as of

23 Feb 2004

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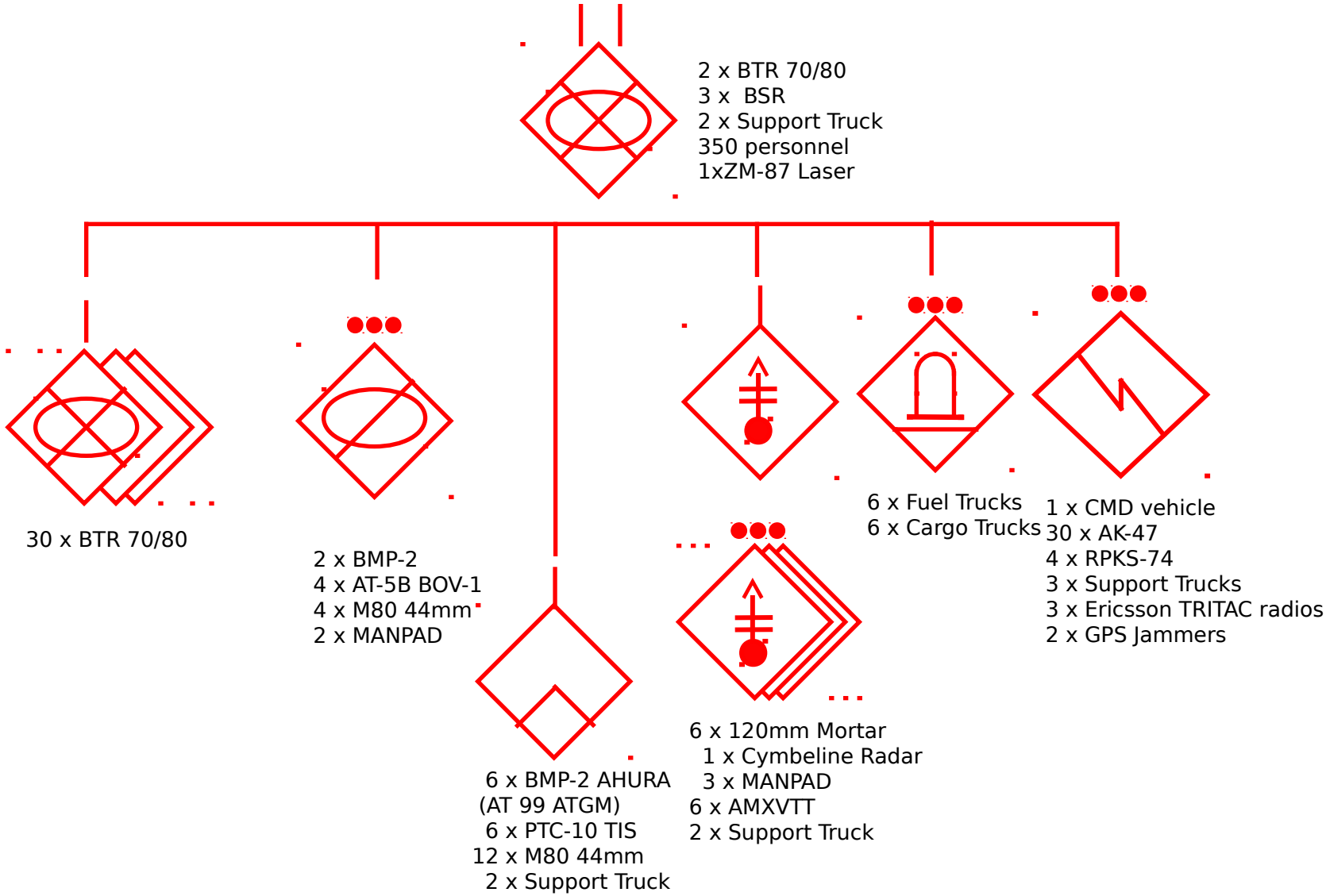
Palace Guard

Mech Inf Bn



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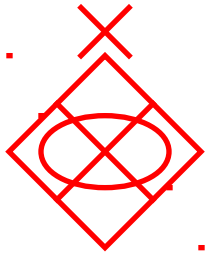
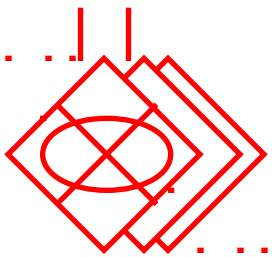
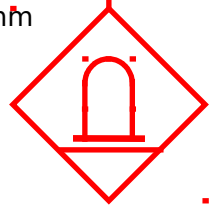
1st Mechanized Bde



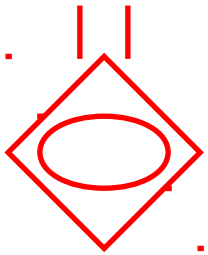
3 x BTR 70/80
3 x Big Fred BSR
2 x Support Truck
3xZM 87 Lasers
1550 personnel



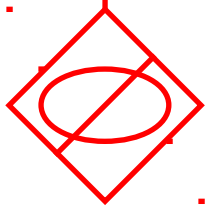
96 x BTR-70/80
6 x BMP-2
12 x AT-5B BOV-1
12 x M80 44mm
6 x MANPAD



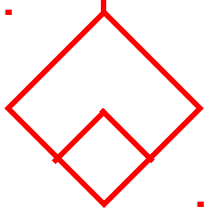
18 x Tractor Trailers
20 x Large Truck



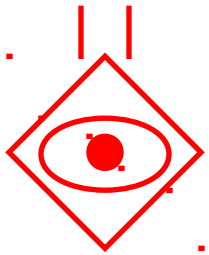
54 x Al Khalid Tank
3 X Laser Weapons



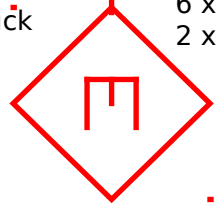
6 x BMP-2
4 x AT-5B
4 x M80 44mm
3 x MANPAD



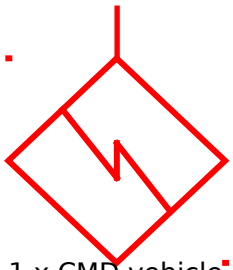
6 x BMP-2 w/ AHURA (AT-99 ATGM)
6 x MATIS TIS
12 x M80 44mm
2 x Support Truck



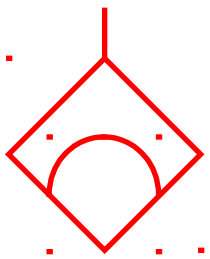
18 x G-6 (155mm) (T)
1 x Cymbeline Radar
3 x MANPAD
19 x Prime Mover
6 x Support Truck



1 x AVLB MT-55
3 x TMM
1 x Dozer
2 x KMT-4
2 x Prime Mover



1 x CMD vehicle
47 x AK-47
4 x RPKS-74
6 x Support Trucks
6 x Ericsson TRITAC radios
2 x GPS Jammers



4 x Skyshield 35mm (T)
6-8 x AMXVTT (MANPAD

Located on SW Coast

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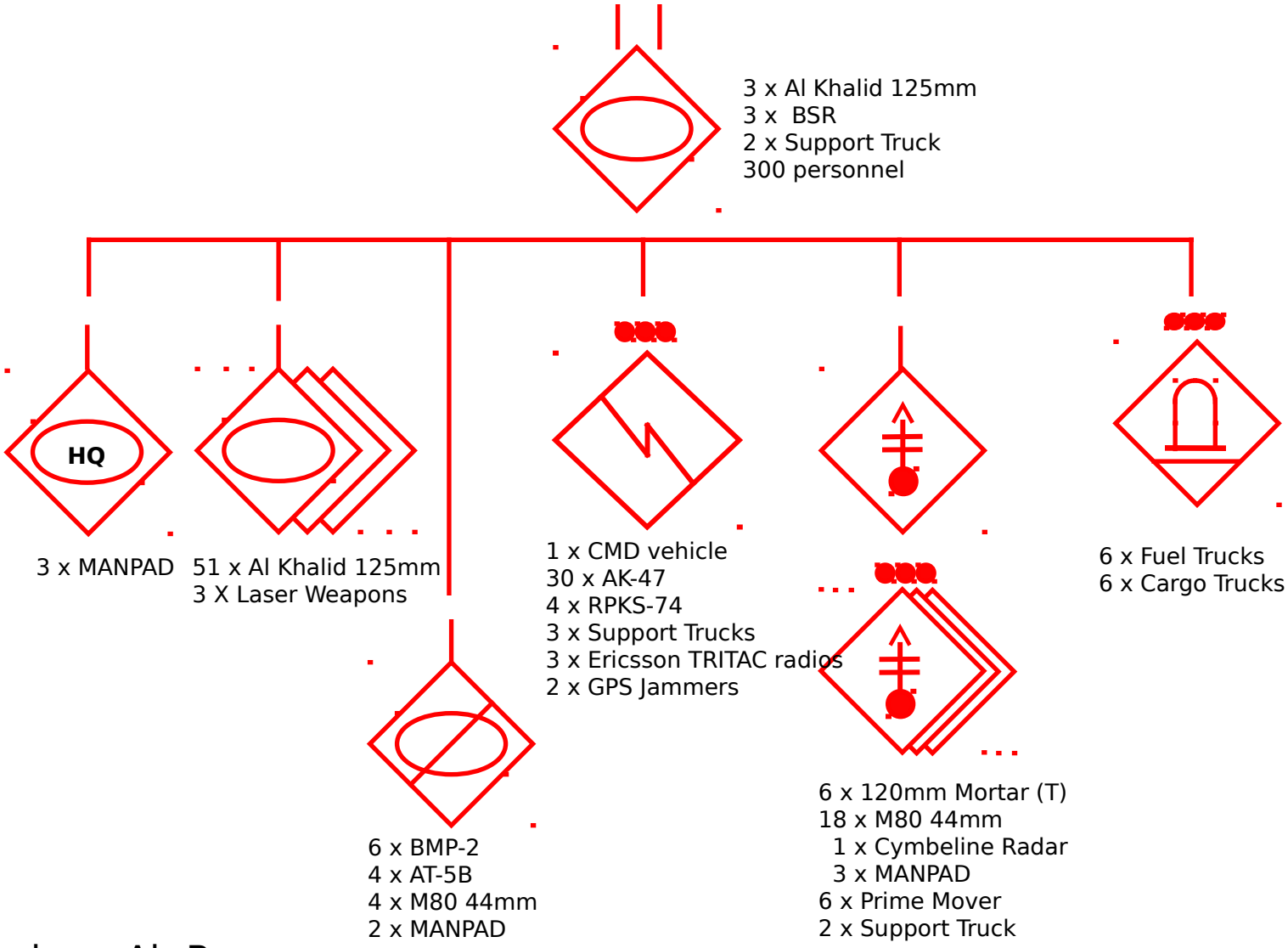
1st Armor Battalio..



At Pekanbaru Air Base

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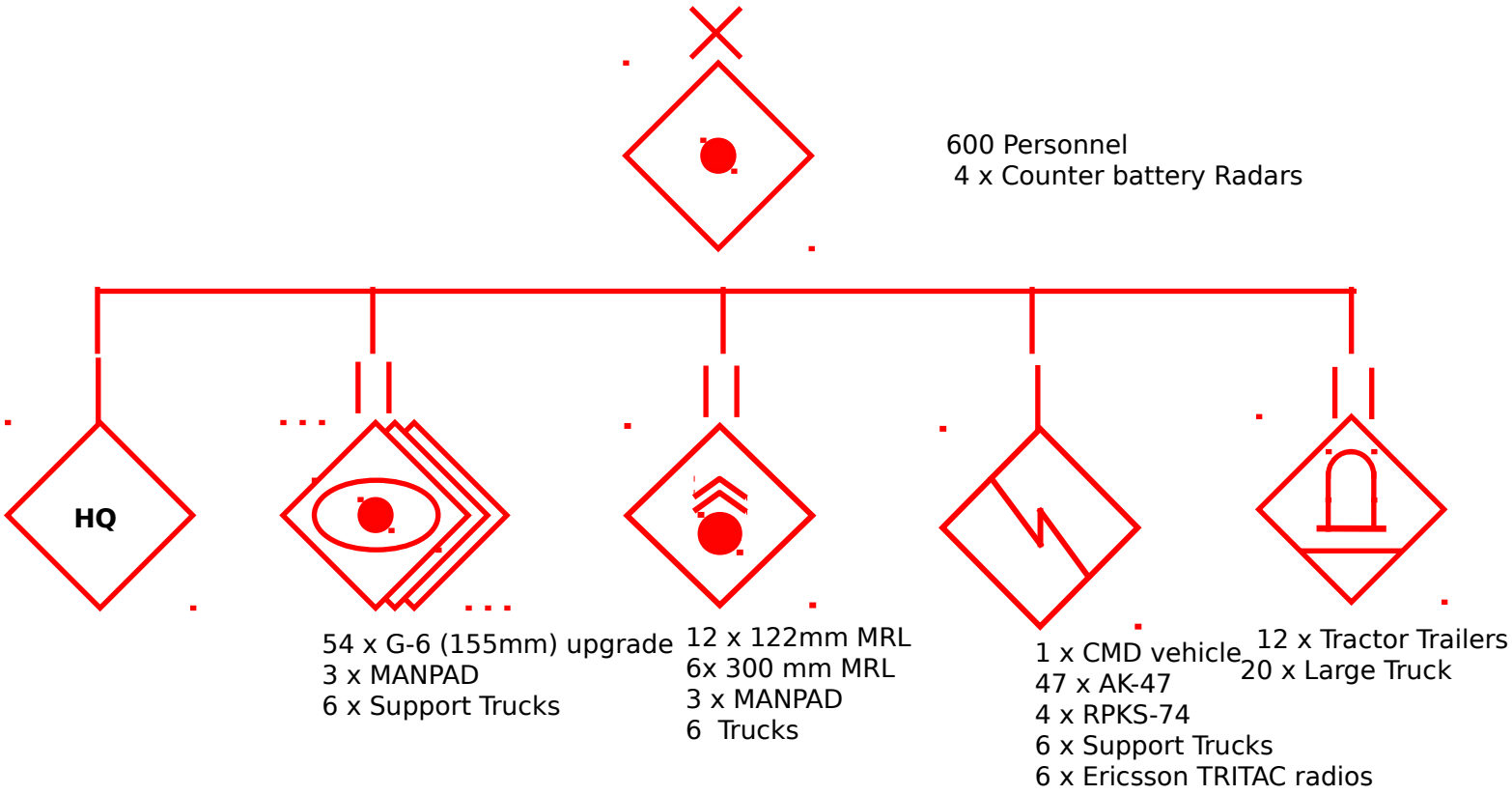
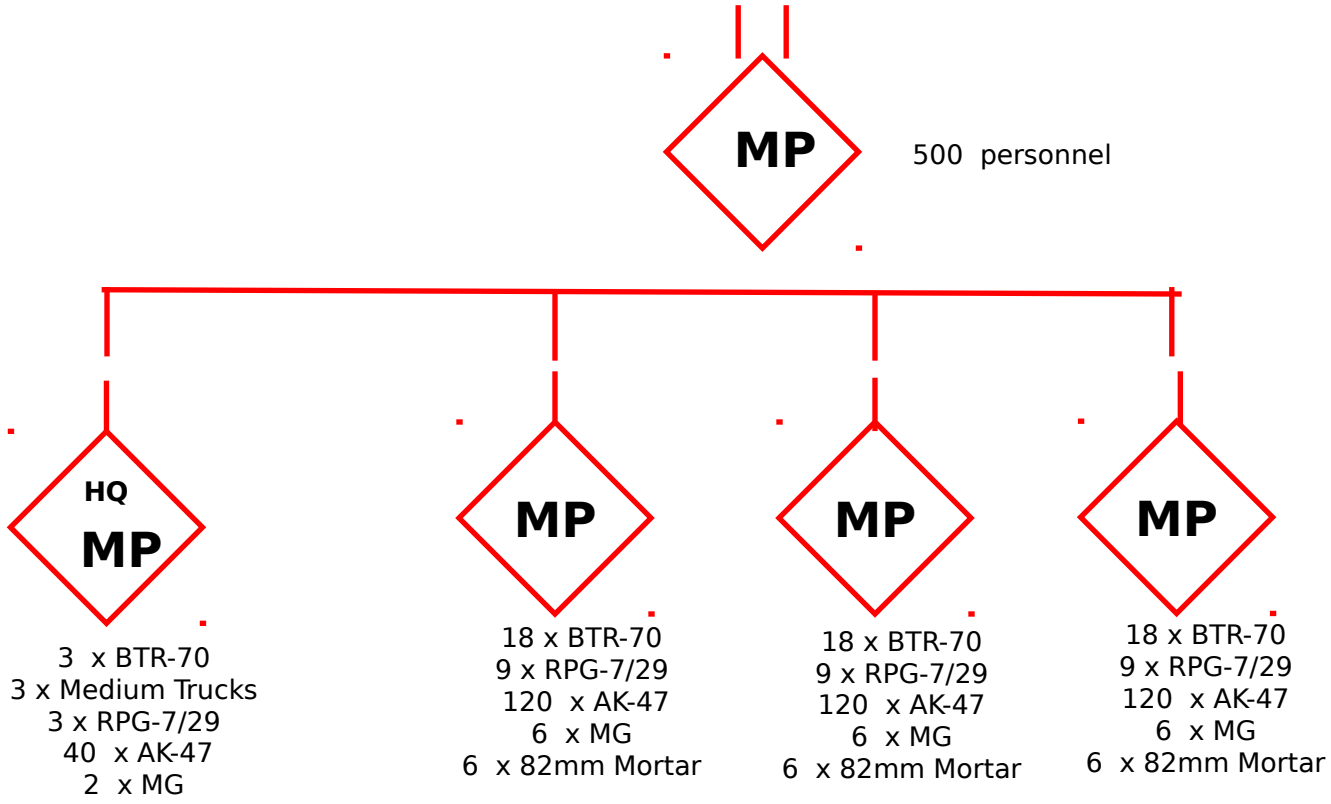
1st Artillery Brigade



1st Bn reinforcing 1st Inf BDE
2nd Bn reinforcing 2nd Inf BDE
3rd Bn at Pekanbaru

Pekanbaru Police Battalion



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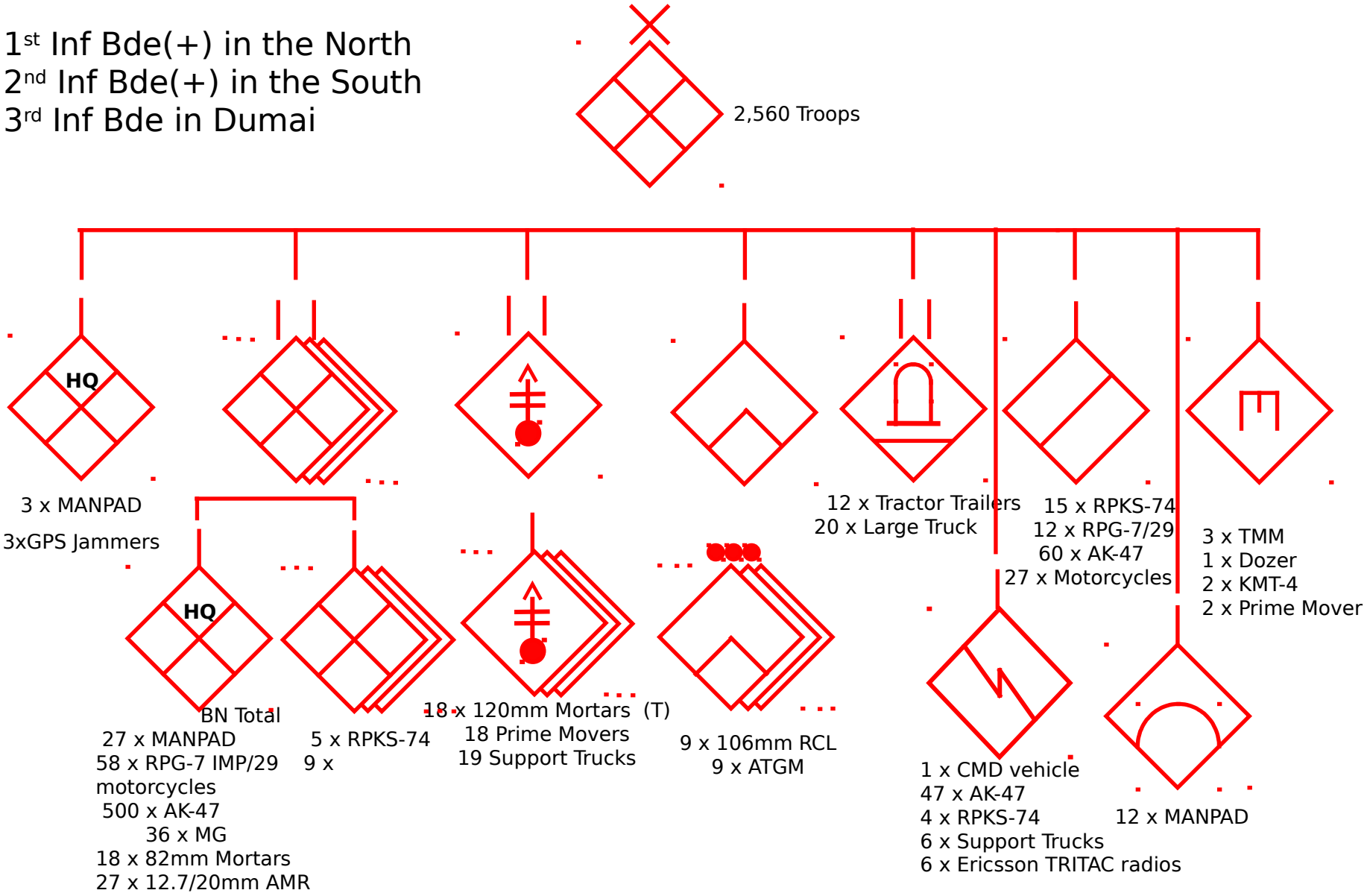
Infantry Bde (X 3)

1st Inf Bde(+) in the North
2nd Inf Bde(+) in the South
3rd Inf Bde in Dumai



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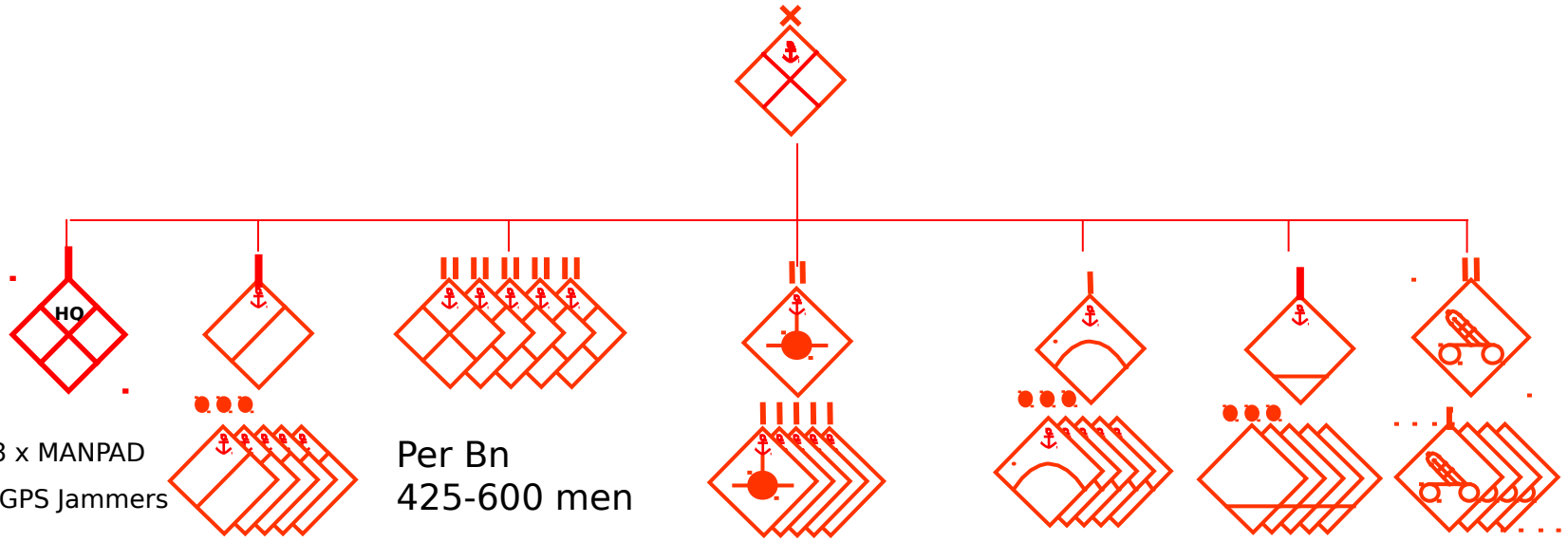
Naval Infantry Brigade



3 x MANPAD
3xGPS Jammers

Per Bn
425-600 men

4 x SPG-9
18 x 60 mm Mortar
6 x 82mm Mortar
12 x AGS – 17
18 x SA-18
9 x 106mm or 84 mm
Recoilless Rifle
(vehicle mounted)
9 motorcycles

30 x 120mm Mortars (T)
30 Prime Movers
35 Support Trucks

50 – ZSU-23 - 4

Coastal Defense BN

Batteries A, B, C YJ-83
6 TELs (3 msls ea)
18 msls per Btry
Battery D Combined Brty
2 TELs SS-N-22
(3 msls ea)
4 TELs SS-N-26
(3 msls ea)

Brty A and Bn TF 1
-Riau Islands
Brty B and Bn TF 2
-80nm NW of Padang
Btry C and Bn TF 3
-120 nm SE of Padang
Btry D and Bn TF 4
-Siberut Isle 60nm SW Padang
HQ and Bn TF 5 at Padang

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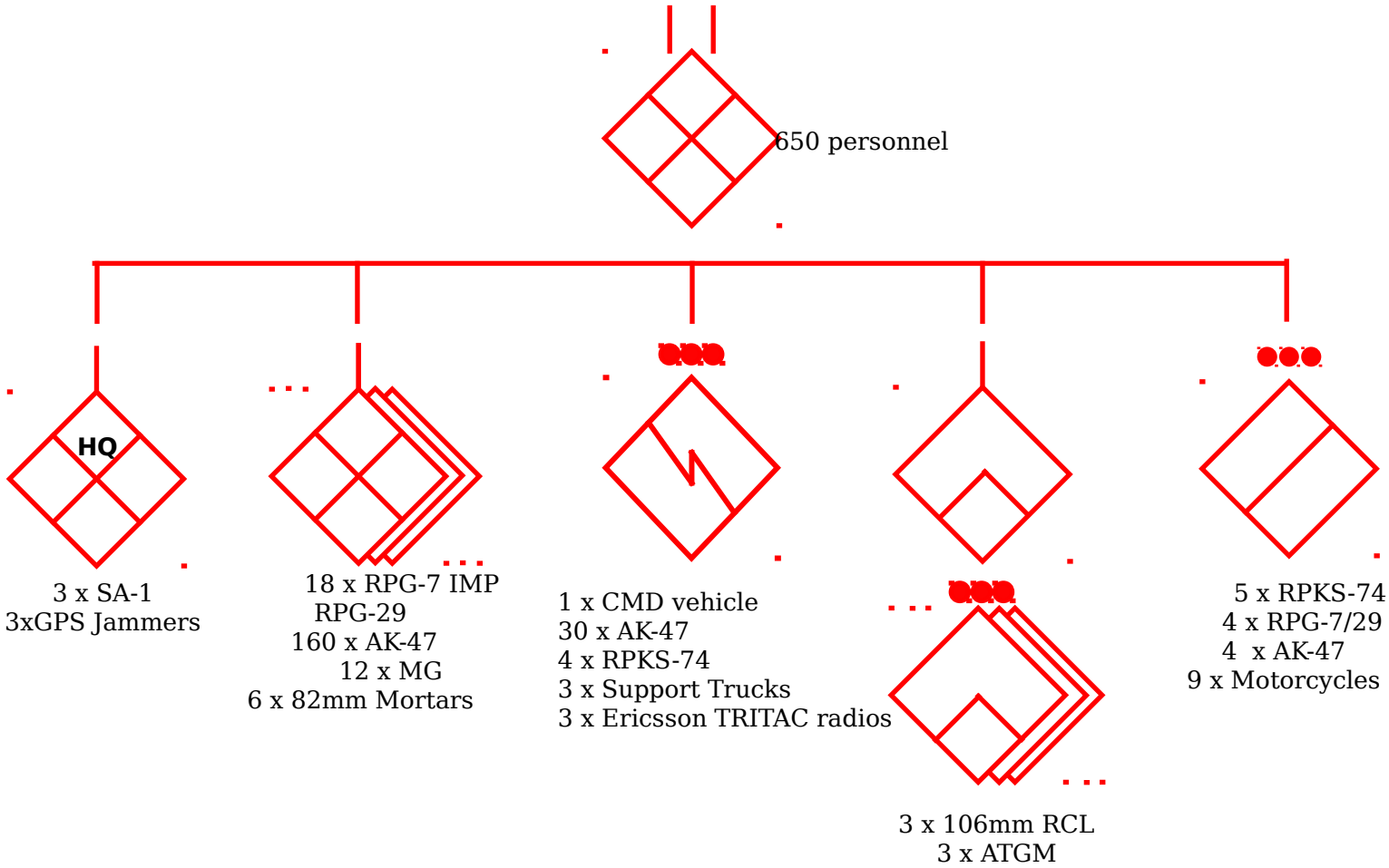
Penkabaru Militia Infantry Bn



At Pekanbaru Air Base

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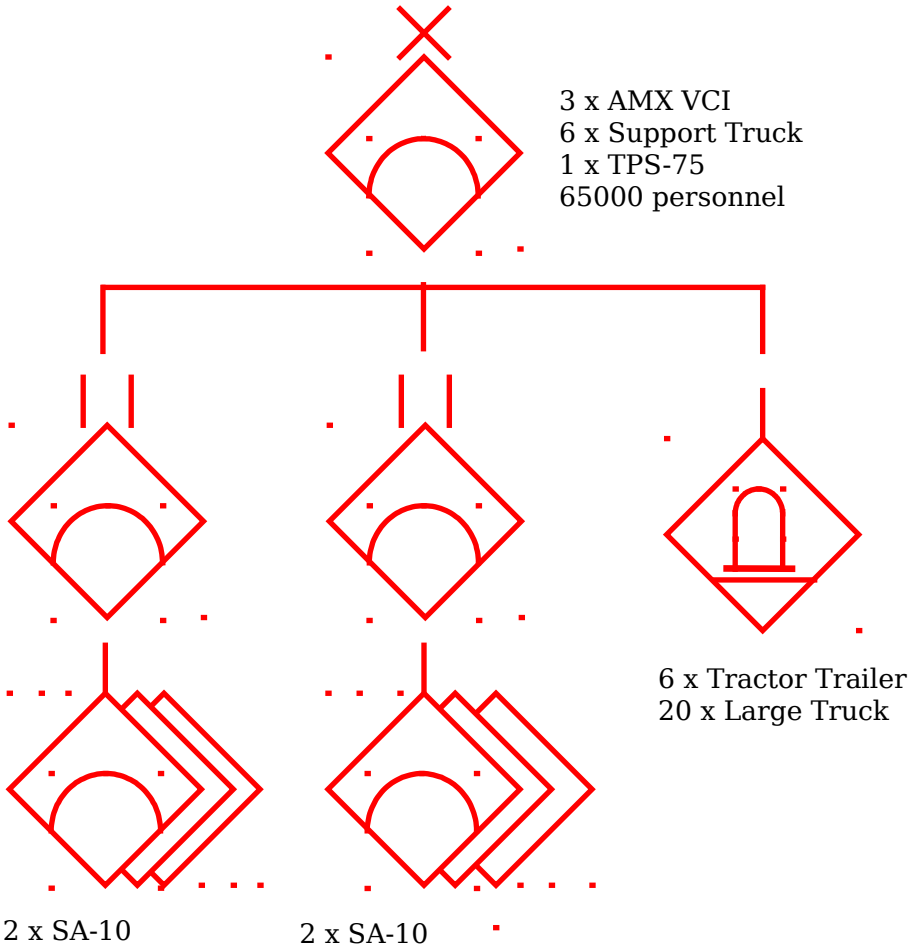
ADA Brigade



All MANPAD have proximity fuses

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Red Equipment

300 mm MRL

Range 100-120 Km

Warheads: Course Corrected, THM, FRAG, FASCAM, Thermobarics

Red Equipment …

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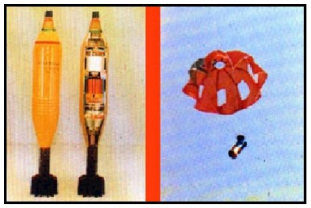

120mm Mortar ADHPM

Range: Dependent on Platform

Guidance: Laser Guided

Munitions: HE-Frag/Unitary Heat/Radiofrequency

ADHPM Destroying Vehicle

GPS Jammer

Range: 100Km Maximum dependent on Battlefield Placement, usually much less

Available on International Market

Claimed Effective against GPS/GLONASS

Portable

Red Equipment …

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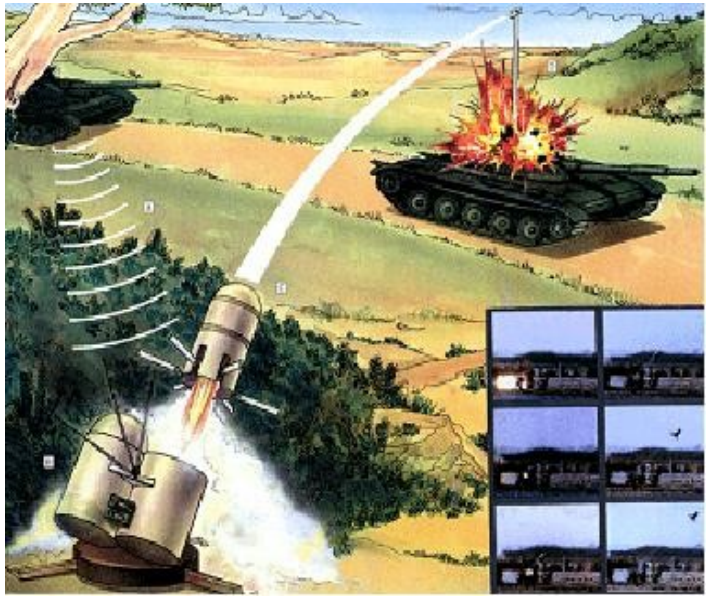

Top Attack Mine

Sensors:
Infrared/Acoustics

Range 80-125 mm

Warhead : EFP

Anti-Helicopter Mine

Sensors:
Acoustics/Radar

Range 150-250 meters

Warhead: Explosively Formed Penetrators (EFP)

Red Equipment …

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RPG 29

Range: 1000 meters

Caliber: 105 MM

Day /Night sight

Munitions: Anti tank-750 mm penetration/ Antipersonnel / Thermobaric

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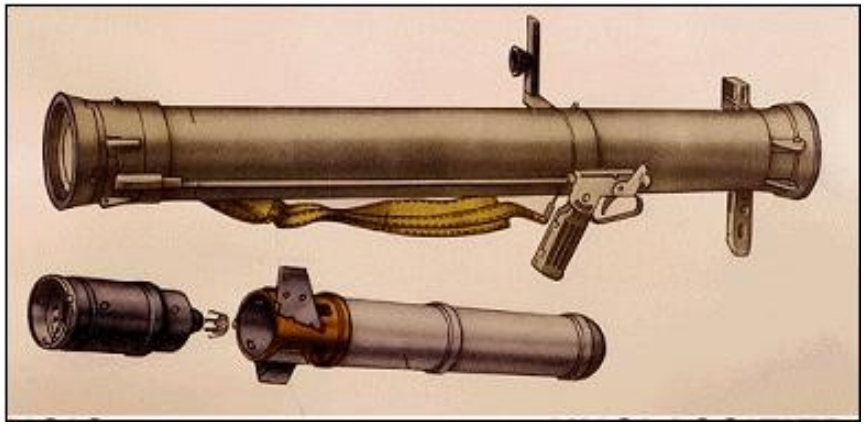

RPO-A Flame Launcher

Range: 600-1000 meters

Day /Night sight

Munitions: Thermobaric

Red Equipment ...

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Skyshield

Armament: 35mm gun system

Primary targets

tactical fighter aircraft

Helicopters

Multisensor fire control AHEAD Ammunition

G-6 (FO) 155mm

Armament: 155mm gun w/ 45 rounds

Range: 60,000 meters(w/ extended projectiles)

Crew: 6

Weight: 52 tons

Red Equipment …

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SA-10

- Primary Red surface-to-air missile capability
- Mobile (Range 49NM)
- Prepared hide sites in both Urban and Jungle settings
- Redundant C2 links to IADS

SS-N-22 (3M82) Sunburn ASCM

Air, Land, or Surface launched sea skimming active homing supersonic cruise missile

Range	250 km
Speed	Mach 3
Warhead:	320 kg

Red Equipment

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SS-N-26 (P-800)Yakhont ASCM

Land, Surface, or Subsurface launched sea skimming active homing cruise missile

Range Mixed trajectory 300 km

To low trajectory 120 km

Speed Mach 2-2.5

Warhead: 200 kg

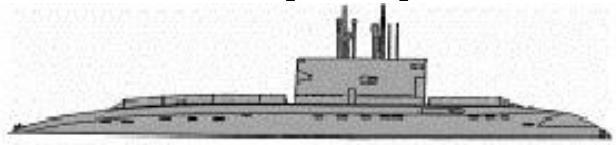
YJ-83 (C-803) ASCM

Land, Surface, or Subsurface launched sea skimming active homing cruise missile

Range: 250 KM

Warhead: 165 kg HE

Red Equipment



Kilo Class Submarine

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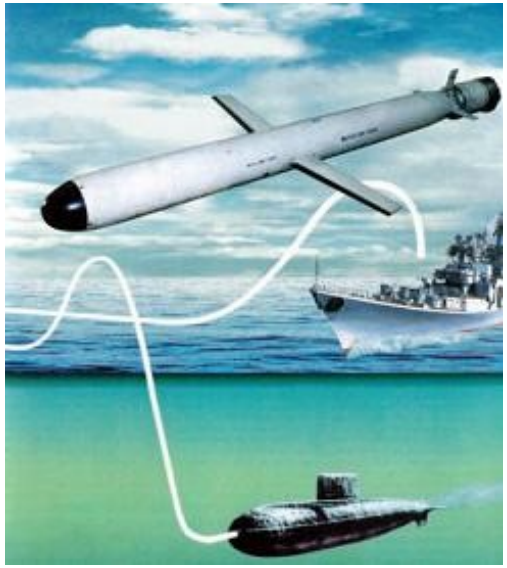
Guided Missile Submarine

Displacement (Tons)	2,300 Surfaced 3,950 Submerged
Speed (Kts)	10-12 Surfaced / 17-25 submerged
Dimensions (m)	72.6 long / 9.9 beam / 6.5 draft
Diving Depth	240-300 meters
Endurance	6,000 NM with snorkel @ 7kts 400 NM submerged @ 3kts 12.7 NM at full run @ 21kts
Weapons	6/533 mm Tubes 18 VA-11 Torpedoes or 24 mines 8 ASCM missiles (only 2 of 6 Red Subs can carry SS-N-27 ASCM)



SS-N-27 (3M54E) Klub ASCM

Land, Surface, or Subsurface launched sea skimming active homing cruise missile with supersonic terminal phase

Range:	220 KM
Speed:	Mach 2.9
Warhead:	200 kg

Red Equipment

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CN-235 MPA

Maritime Patrol Aircraft

Range: 3650 km

Endurance: >8 Hours

Armament: AGM-84 Harpoon or AM-39 Exocet air-launched ASM

Boeing 737 AEW

Radar Air and Maritime 200 + nm /All Weather

IFF: 300 nm

Endurance: 9 Hours

Range: 7,000 km

Red Equipment

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Valour Class FFG

Low Signature Corvette
3500 tons Displacement
2x4 Cell MM 40 Exocet Launchers
2X5 Cell Unkhonto SAM launchers
76mm OtoBrenda DP gun
35mm DP gun
1 SuperLynx Helo
CODAG-WARP engines
27+ Knots

Houxin Class PTG

Missile Patrol Boat
Displacement 478 tons
Weapons
C-802 ASMC
2 – dual 30mm
32 Knots

Red Equipment

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No picture available

Kakap Class PBO

Surveillance and Targeting patrol boat
Displacement 425 Tons full load
1 – 40mm gun
2 – 7.62mm MG
1 – NBO-105 Helicopter
28.1 Knots

No picture available

Lurssen 28 meter PC

Patrol Craft
Used for surveillance and targeting in the littorals
Displacement
Weapons
12.7mm MG

Red Equipment

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SU-25 Frogfoot

Ground Attack

Range: 1,250 km w droptanks

Armament: 4,440 kg;
Cannon: 1 GSh-6-N-30 30mm rotary
AS-7/9/11/12, AA-8 Aphid, FAB-250, UV-32-57, FAB-500, 500kg LGB, FAB-250

SU-30MKI Flanker

Strike Fighter

Range: 3000 km

Armament: One 30 mm cannon up to 6,000 kg payload
- AA-10 (Alamo) air-to-air missiles
- AA-11 (Archer) air-to-air missiles
- AS-17 Supersonic ASCM

Red Equipment

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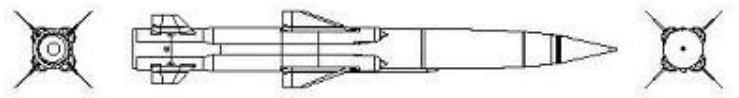

AS-17 Krypton ASCM

Range: 50Km

Speed: Mach 3.5

Warhead: 90kg

MI-8 HIP

Multi-role Transport_
24 troops or 3000 kg cargo

Range: 350 km Max load

Weapons: 12.7mm MG
57 / 83mm
Rockets
AT-2/3 ATGM

Red Equipment

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CSS-2 IRBM

Range 4,000 km

Accuracy 1-4KM at range

Warhead: 2000kg throw weight, multi warhead (3) capable; BC, High Explosive

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CSS-7 SRBM

Range 300Km

Accuracy 300m at range

Warheads: BC, High Explosive, Explosives, THM

SKYSHIELD Engaging Cruise Missile

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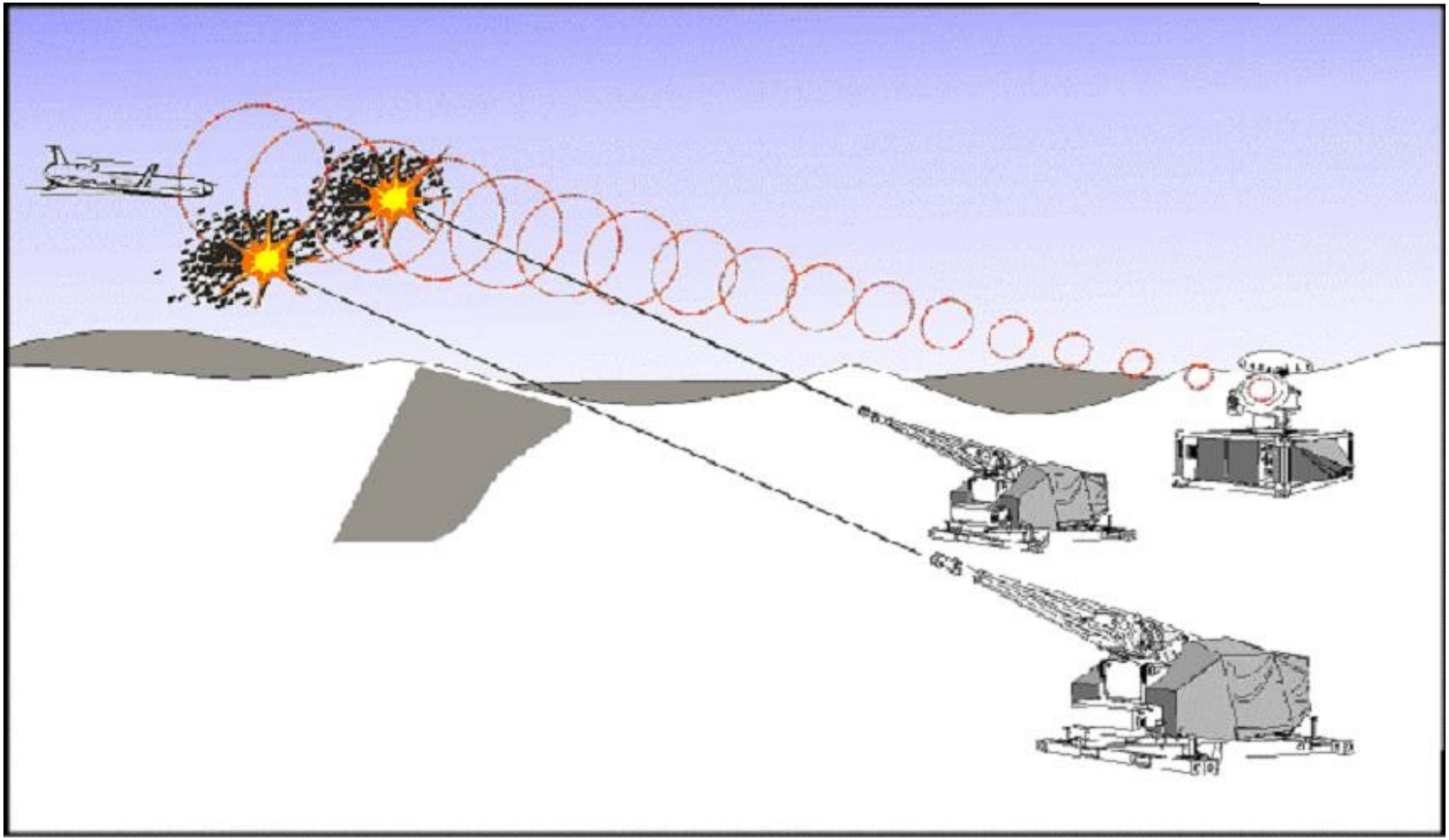

Red Equipment

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Side Attack Mine

Sensors: Acoustics/Radar

Range 150-250 meters

Warhead: Explosively Formed Penetrators (EFP)

Directed Energy Weaponry

ZM-87

Laser Dazzler vs optics and sights

Range 2KM

Note: Tank Mounted Version on Type 98

Red Equipment

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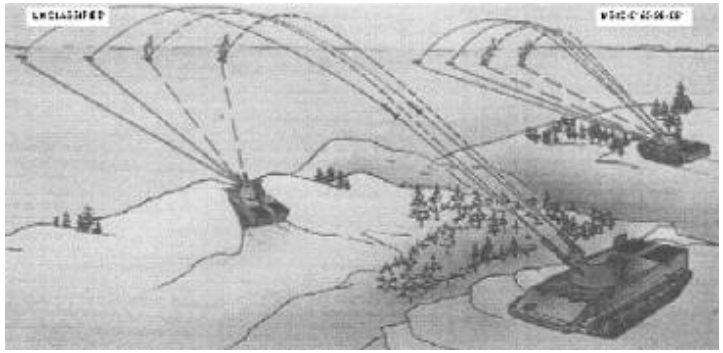

AHURA (AT-99 ATGM)

Fire and Forget BLOS

Lock On After Launch

12KM Range

1250 mm Penetration

Al Khalid MBT

Armament:
125mm Main Gun; GLATM
Range: MG – 2km (KE); GLATM – 5km
Thermal imagery night vision
Laser CM (one in ten)
Weight: 45tons
Speed: 70km/hr
ERA: 1 M protection, **APS**

Red Equipment

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MAD DOG Attack Unmanned Aerial Vehicle

Anti-Radar, Loitering System, With high Pk (>85) versus blue SAM Radars

Produced by Western Nation, purchased from 3rd Party

Weight 110 KG, (Loaded), Range: 450 NM, Radius 110 NM,

Speed: 250 KN, Height 12,000 ft MSL, GPS/INS guidance

Sensors: TV, Laser, Passive RF seeker,FLIR (possible)

10-12 KG blast warhead

Red Equipment

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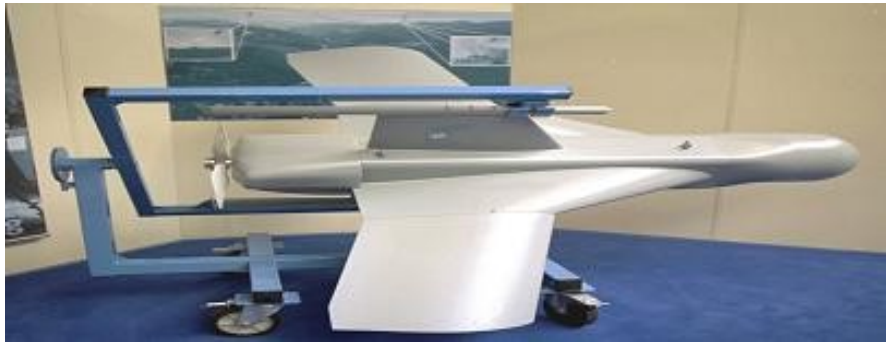
Seeker Reconnaissance UAV



Reconnaissance, Battle Damage Assessment, Target Designation System

Produced by South Africa, Europe, Israel or China, purchased from manufacturers

Weight 125 KG, (Loaded), Range: 1200 NM, Loiter Time 8-10 hrs

Speed: 250 KN, Cruise speed 150 KN, Height 3000-5000 meters, GPS/INS guidance,preprogrammed or remote pilot

Sensors: EO imaging, Laser, FLIR, MMW, SAR, LTD, LRF jammers and ELINT suites, equipped with communications relay device

Direct Downlink to shooters

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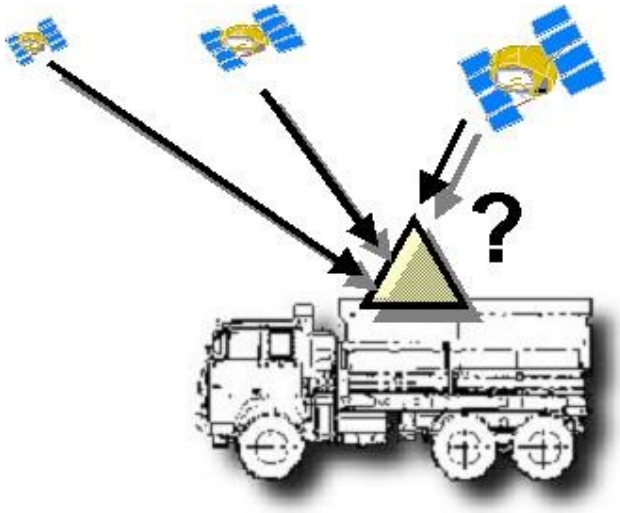
Corner Reflectors

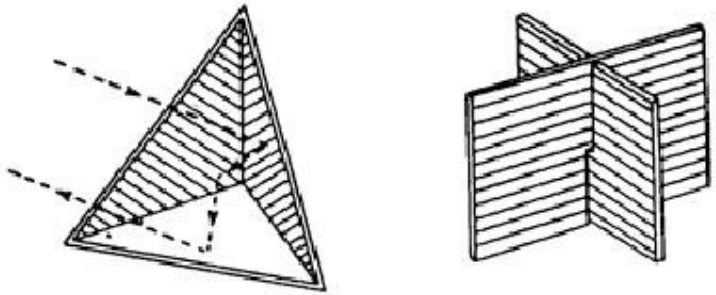
Simple technology – aluminum construction or aluminum foil and cardboard



Truck = TEL

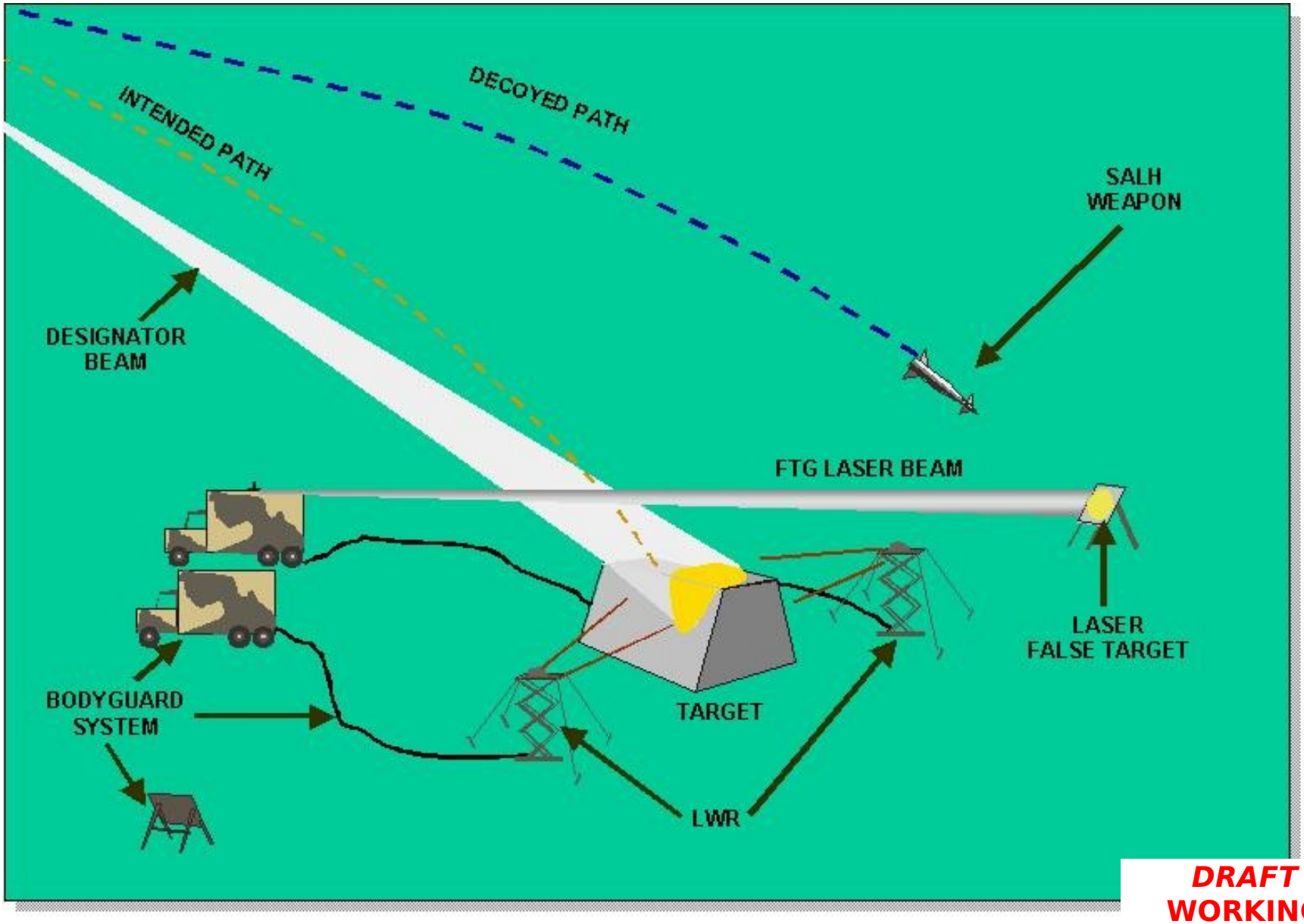
Confuses SAR Radar by returning overly large returns from small reflectors

- **12-20 dB gain in return signal**



Large scattered deployment creates a

Bodyguard False Target Generator System



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Red Equipment

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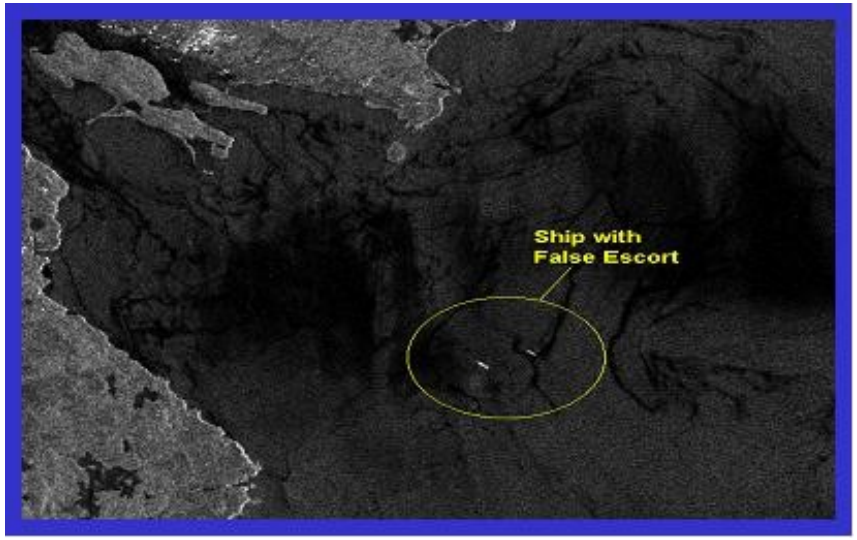

Coherent Beam Jammer

Threat Radar/Jammer combination that creates false images for and can spoof space based and airborne to include SAR radars

Red Equipment

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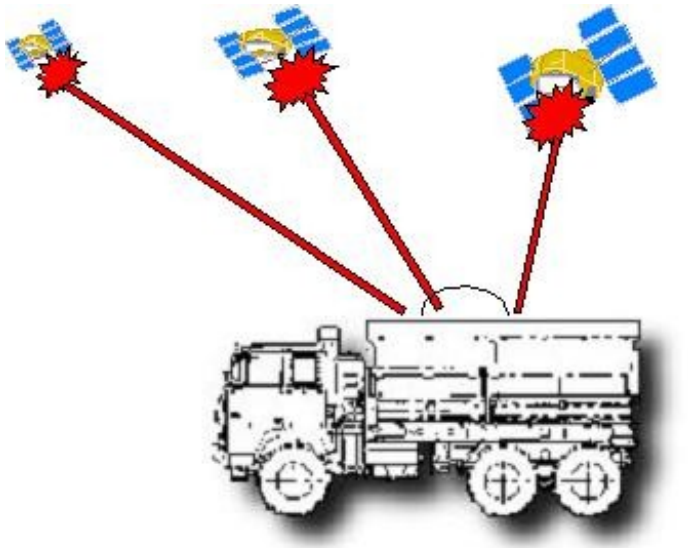


Ahriman Laser Blinder

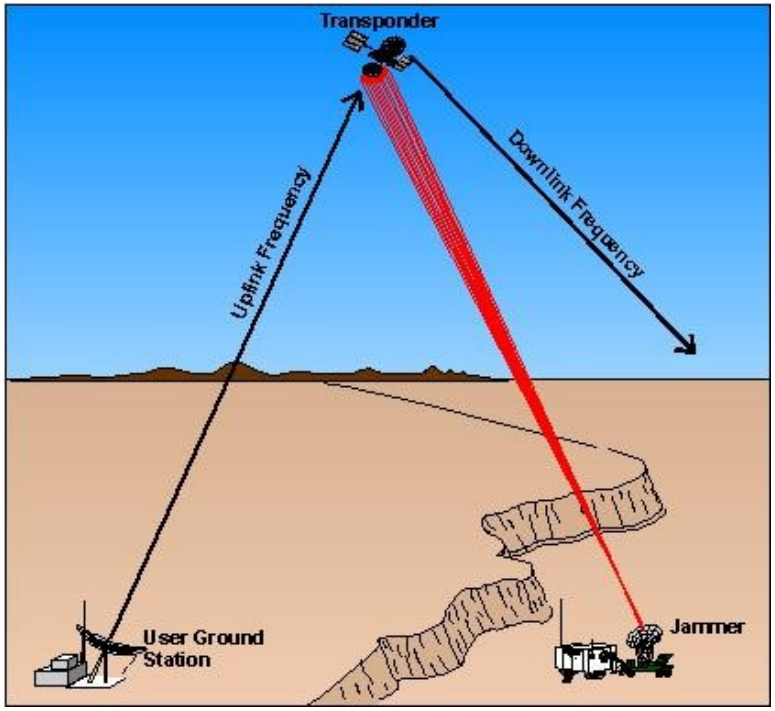
Satellite ISR Denial System: Low to mid power laser capable of temporarily dazzling or blinding optical ISR Satellites in low earth orbit.

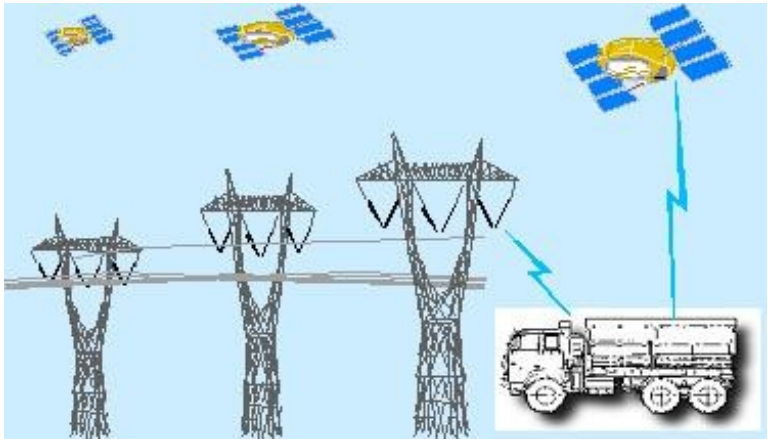
Dazzling mode: overloads the focal plane of the imagery satellite without causing permanent damage

Blind mode: Overloads the focal plane with sufficient power to permanently burn out specific pixels in the imager

Satellite tracking/downlink stations integrated with C2 network and Jamming / Blinding Systems

Red Equipment





Mobile SATCOM Jammer

SATCOM Denial System: Jams satellite uplink brute force noise. Capable of targeting specific frequencies and transponders.

Self-targeting: targets based on rough element set and detected signal downlink activity

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Directed Energy Weaponry (DEW)

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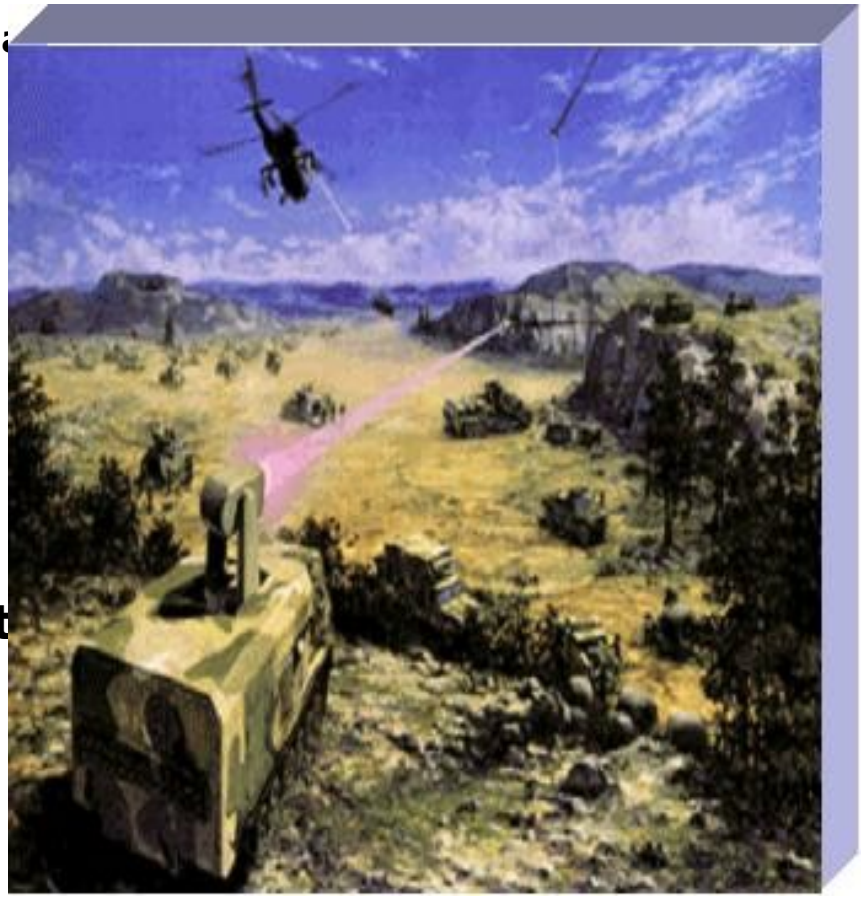
- **Lasers**
- **High Power Microwave**
- **Radio Frequency Wea**



Degrades US sensors
Shortcircuits Electronics
Technologies are mature in China, Russia/FSU, and Europe
“Tunable Systems” very difficult countermeasure
Proliferation worldwide